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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,447	12/05/2001	Richard Krikor Yardumian	MOI-741	9648

5514 7590 08/09/2005

FITZPATRICK CELLA HARPER & SCINTO  
30 ROCKEFELLER PLAZA  
NEW YORK, NY 10112

EXAMINER

HUYNH, CONG LAC T

ART UNIT	PAPER NUMBER
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2178

DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/004,447

Applicant(s)

YARDUMIAN ET AL.

Examiner

Cong-Lac Huynh

Art Unit

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6,8-13 and 21-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-13 and 21-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

1. This action is responsive to communications: amendment filed 6/15/05 to the application filed on 12/05/01.
2. Claims 14-20 are canceled.
3. Claims 21-27 are added.
4. Claims 1-6, 8-13, 21-27 are pending in the case. Claims 1, 22, 24, 26 are the independent claim.

### ***Claim Objections***

5. Claim 1 is objected to because of the following informalities: the "is" prior "rendered" (line 15) is not proper. It should be "are" to comply with the subject "the vector graphic shapes." Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

6. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

7. Claims 1-6, 8-13 and 21 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Art Unit: 2178

Independent claim 1 includes the limitation “wherein the location provides random access to the plural pages of the structured document independent of parsing of the plural pages of the structured document” (lines 16-18) which is not disclosed in the specification of the invention.

The specification only discloses that thanks to the providing of the location in the document, a viewer parses the document more quickly and parsing is needed for any particular page that needs to be rendered ([0011], [0015], [0035]-[0037]). Nowhere in the specification supports the feature that the location provides random access to the plural pages of the document.

Dependent claims 2-13 and 21 are rejected for fully incorporating the deficiencies of their base claim.

***Claim Rejections - 35 USC § 102***

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1-6, 8-13 remain rejected under 35 U.S.C. 102(e) as being anticipated by Takaoka et al., (US Pat Application Publication No. US 2002/00593337 A1, 5/16/02, filed 9/10/01).

Regarding independent claim 1, Takaoda discloses:

- the structured document includes page-information text which is delimited by page-information element types each defining a location in the structured document for a corresponding page-description text of the plural pages (figures 2B, [0044], [0049], [0052]-[0056], [0059]: A PAGEINDEX portion (301) in figure 3A holds information that defines and indicates the position of each page-bitmapped portion of a xml document, which is a structured document including a plurality of pages)
- the structured document further includes the page-description text for plural pages based on which the vector graphic shapes are rendered ([0052]-[0054], [0056]: the thumbnails are considered equivalent to the claimed vector graphic shapes rendered based on the description text for the pages included in the xml document)
- wherein the location provides random access to the plural pages of the structured document independent of parsing of all of the plural pages of the structured document ([0056]-[0059], [0060], figure 2B: the INDEX tag mentioned in [0059] is contained in figure 2B which shows a document-resource text that specifies a location in the XML-based document; the INDEX tag includes the "idref" *for indicating* the id of an electronic source document and "efilepage" *for indicating* a use page number of the electronic source document referred to in a xml document, which is a structured document; [0066], [0084]: the fact that respective pages of the document can be processed and each page of the

*electronic document can be traced based on the page number showing a location* in the structured document, indicates that the page number representing a location in the structured document provides a direct access to any page of the structured document independent of parsing of all of the plural pages of the structured document; since the system has the capability of *accessing any page directly based on the provided location data* instead of parsing page by page in the document, random access to a page in the structured document is implied)

Regarding claim 2, which is dependent on claim 1, Takaoka discloses the page-directory text which includes the page-information text, the page-directory text being delimited by page-directory element types which contain at least one page-information element for each of the plural pages (figure 2A, [0051]-[0054]: document summary includes the page-information text).

Regarding claim 3, which is dependent on claim 2, Takaoka discloses that the directory information text which includes the page-directory text, the directory-information text being delimited by the directory-information types that specify the number of the plural pages and which contains the page-directory elements ([0051]-[0052]).

Regarding claim 4, which is dependent on claim 3, Takaoka discloses the thumbnail-information text that defines a graphic for each of the plural pages, the thumbnail-

information text being delimited by the thumbnail-information element types (figures 2B, [0052]).

Regarding claim 5, which is dependent on claim 3, Takaoka discloses the thumbnail-directory text, which includes the thumbnail-information text, which is delimited by the thumbnail-directory element types ([0052], figure 2B).

Regarding claim 6, which is dependent on claim 3, Takaoka discloses the document-attribute text delimited by document-attribute element types and that specify attributes of the structured document (figure 2B, [0047], [0048]).

Regarding claim 8, which is dependent on claim 7, Takaoka discloses a directory-table list element that includes the document-resource text and at least an indirect reference to the page-information text ([0060], [0055]-[0059]).

Regarding claim 9, which is dependent on claim 8, Takaoka discloses the document-directory-table text delimited by document-directory-table types and that provides location information of the directory-table-list text ([0056]: page index holds information that indicates the position of each page-bit-mapped portion of electronic source documents).

Regarding claim 10, which is dependent on claim 1, Takaoka discloses that the page-information text is included in document-directory information stored in the structured document (figure 2B, [0052]-[0058]).

Regarding claim 11, which is dependent on claim 10, Takaoka discloses that the document-directory information is stored at or near the end of the structured document (figures 2B and 3A: the page index is stored near the end of the XML-based document, which is a structured document).

Regarding claim 12, which is dependent on claim 11, Takaoka discloses a directory-exists element delimited by directory-exists element types, the directory-exists elements directly or indirectly defining the location of the document-directory information, the directory-exists element being located at or near the beginning the XML-based document (figure 2B, [0048]: this portion holds the information of the source documents, located near the beginning of the XML document and indirectly defining the location of the document-directory information of the number of pages included in the document as in [0056]).

Regarding claim 13, which is dependent on claim 1, Takaoka discloses that the XML-based document is comprised of an SVG-based document ([0115], figure 4).



10. Claims 21-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Takaoka et al., (US Pat Application Publication No. US 2002/00593337 A1, 5/16/02, filed 9/10/01).

Regarding claim 21, which is dependent on claim 1, Takaoka discloses the document-resource text that specifies a location pointer in the XML-based document for resources used by pages in the XML-based document ([0059], [0060]).

Regarding independent claim 22, Takaoka discloses:

- detecting a current page from plural pages, obtaining a location of page-description text in the structured document corresponding to the current page in reference to page information text in the structured document, and parsing the page-description text in the structured document corresponding to the current page (figure 2B: the XML document including plural pages where each page is defined in the XML codes of the document implies that for the purpose of displaying, the Internet browser, based on the locations defined in the page-information text, should parse the document for detecting the current page or any selected page in the document )
- outputting a vector graphic shape which is rendered on the basis of the page description text parsed by the parsing device ([0073], [0077]-[0082]: the thumbnail of each page is equivalent to a vector graphic shape rendered on the

basis of the page-description text since a thumbnail, as a graphic object, is displayed to represent a page of the document)

Regarding claim 23, which is dependent on claim 22, Takaoka discloses obtaining a location of document-resource text in the structured document for resources used by the plural pages ([0056], [0072], [0073]).

Regarding independent claim 24, Takaoka discloses:

- detecting a current page from plural pages (figure 2B, [0072]-[0073]: the XML document including plural pages where each page is defined in the XML codes of the document implies that for the purpose of displaying, the Internet browser, based on the locations defined in the page-information text, should parse the document for detecting the current page or any selected page in the document)
- obtaining a location of page-description text in the structured document corresponding to the current page in reference to page-information text in the structured document (figure 2B, [0072]-[0073]: obtaining the page id and index representing a location defined in the page-information text corresponding a page in the document)
- parsing page-description text in the structured document corresponding to the current page (figure 2B, [0072]-[0073]: the XML document including plural pages where each page is defined in the XML codes of the document implies that for the purpose of displaying, the Internet browser, based on the locations defined in

the page-information text, should parse the document for detecting the current page or any selected page in the document)

- outputting a vector graphic shape which is rendered on the basis of the parsed page description text ([0073], [0077]-[0082]: the thumbnail of each page is equivalent to a vector graphic shape rendered on the basis of the page-description text since a thumbnail, as a graphic object, is displayed to represent a page of the document)

Regarding claim 25, which is dependent on claim 24, Takaoka discloses obtaining a location of document-resource text in the structured document for resources used by the plural pages ([0056], [0072], [0073]).

Claims 26-27 are for a computer readable medium for storing the program to perform the method in claims 24-25, and are rejected under the same rationale.

### ***Response to Arguments***

11. Applicant's arguments filed 6/15/05 have been fully considered but they are not persuasive.

Applicants argue that there is nothing in Takaoka's PAGEINDEX portion defining a location that provides random access to plural pages of a structured document independent of parsing of the plural pages (Remarks, pages 9-10).

Examiner respectfully disagrees.

In Takaoka, section [0059] discloses A PAGEINDEX portion (301) in figure 3A that holds information indicating the position of each page-bitmapped portion of the electronic source documents. Since a position in a structured document is actually a location in a structured document, defining position information is nothing different from defining location information in a structured document.

In addition, the random access is further implied in Takaoka. See the rejection above.

Also, regarding amended claims 1-6, 8-13, Applicants argue that such amendment overcomes the 101 rejections.

It appears that the feature "wherein the location provides random access to the plural pages of the structured document ..." recites the functionality interrelationship of the elements in the structured document, which makes the amended claims overcome the 101 issue. However, since that feature is rejected under 112, first paragraph, as mentioned above, revising the claims needs to be considered to avoid the 101 rejection in the following action.

### **Conclusion**

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bodnar (US Pat No. 6,544,295 B1, 4/8/03, filed 11/18/96).

Kozol et al. (US Pat No. 5,113,341, 5/12/92).

Hesse et al. (US Pat No. 5,185,698, 2/9/93).

Art Unit: 2178

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cong-Lac Huynh whose telephone number is 571-272-4125. The examiner can normally be reached on Mon-Fri (8:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Cong-Lac Huynh  
Examiner  
Art Unit 2178  
08/3/05